Contents

Addy JF → Pieper DR
Agapito MT → Sigüenza AF
Agnisola C, Cariello L, De Santis A, Miralto A, Tota B: Chronotropic and inotropic effects of atrial peptides on the isolated systemic heart of *Octopus vulgaris* 637
Alestrøm P → Rokkones E
Andrews EB, Taylor PM: Fine structure, mechanism of heart function and haemodynamics in the prosobranch gastropod mollusc *Littorina littorea* (L.) 247
Ar A → Visschedijk AHJ
Arieli R → Edoute Y
Arnold W: Social thermoregulation during hibernation in alpine marmots (*Marmota marmota*) 151
Aulie A, Tøien Ø: Threshold for shivering in aerobic and anaerobic muscles in bantam cocks and incubating hens 431
Autrum H: *In memoriam* B. Linzen 1983–1988 393

Ballam GO, Donaldson LA: Effect of venous (gut) CO_2 leading on intrapulmonary gas fractions and ventilation in the tegu lizard 591
Barja de Quiroga G, Gil P, López-Torres M: Physiological significance of catalase and glutathione peroxidases, and in vivo peroxidation, in selected tissues of the toad *Discoglossus pictus* (Amphibia) during acclimation to normobaric hyperoxia 583
Baudinette RV → Roberts JR
Bayliss D, Harris RR: Chloride ion regulation in the freshwater amphipod *Corophium curvispinum* and acclimatory effects of external Cl^- 81
Beis Is → Lazou A
Bentley PJ → Grubb BR
Bertsch A → Surholt B
Bidigare RR → Morrill AC
Bijlholt MMC → Stöcker W
Bintz GL: Lipid synthesis and deposition by adult Richardson's ground squirrels in the natural environment 199
Blundon JA: Effects of temperature and thermal history on neuromuscular properties of two crustacean species 689
Boardman TJ → Packard GC
Bohn H → Ferstl S
Bols NC → Mosser DD
Borch-Iohnsen B → Grav HJ
Braun EJ → Goldstein DL
Broce AB → Krueger RA
Bruggen EFJ van → Stöcker W
Burton RS → Goolish EM
Butler PJ → Metcalfe JD

Calgari C→ Malan A
Campbell TJ: Characteristics of cardiac action potentials in marsupials 759
Canguilhem B → Galluser M
Cariello L → Agnisola C
Chand P → Goyal SP
Charest RP, Chenoweth M, Dunn A: Metabolism and trimethylamines in kelp bass (*Paralabrax clathratus*) and marine and freshwater pink salmon (*Oncorhynchus gorbuscha*) 609
Chenoweth M → Charest RP
Cherel Y → Le Ninan F
Clemens DT: Ventilation and oxygen consumption in rosy finches and house finches at sea level and high altitude 57

Dahl HA → Grav HJ
De Santis A → Agnisola C
Dejours P, Truchot J-P: Respiration of the emersed shore crab at variable ambient oxygenation 387
D'Haese J → Huch R
Donaldson LA → Ballam GO
Duman JG → Kukal O
Dunn A → Charest RP
Dunson WA → Frisbie MP

Ebara A → Kuramoto T
Edoute Y, Arieli R, Nevo E: Evidence for improved myocardial oxygen delivery and function during hypoxia in the mole rat 575
Erasmus T → Gray DA
Erbe K-H, Gerstberger R, Gray DA, Simon E: Electrolyte handling and osmoregulatory hormones in ducks during Na^+-free or Cl^--free hypertonic salt gland stimulation 9

Feller P, Nachtigall W: Flight of the honey bee. II. Inner- and surface thorax temperatures and energetic criteria, correlated to flight parameters 719
Feller P → Nachtigall W
Ferstl S, Weber J, Bohn H: Conditions for the association of the two clotting proteins of the cockroach *Rhyparobia* (*Leucophaea*) *maderae* (Blattaria) 527
Finch CA → Huebers HA
Focke P → Paul R
Frisbie MP, Dunson WA: The effect of food consumption on sodium and water balance in the predaceous diving beetle, *Dytiscus verticalis* 91

Gabrielsen GW → Grav HJ
Galluser M, Raul F, Canguilhem B: Adaptation of intestinal enzymes to seasonal and dietary changes in a hibernator: the European hamster (*Cricetus cricetus*) 143
Gautvik KM → Rokkones E
Geiser F: Reduction of metabolism during hibernation and daily torpor in mammals and birds: temperature effect or physiological inhibition? 25
Gerday Ch → Huch R
Gerstberger R → Erbe K-H
Gerstberger R → Rettig R
Ghosh A → Mahata SK
Ghosh PK → Goyal SP
Gil P → Barja de Quiroga G
Girard H → Visschedijk AHJ
Goldstein DL, Braun EJ: Contributions of the kidneys and intestines to water conservation, and plasma levels of antidiuretic hormone, during dehydration in house sparrows (*Passer domesticus*) 353
Goolish EM, Burton RS: Exposure to fluctuating salinity enhances free amino acid accumulation in *Tigriopus californicus* (Copepoda) 99
Goyal SP, Ghosh PK, Sasidharan TO, Chand P: Body water relations in two species of gerbil (*Tatera indica indica* and *Meriones hurrianae*) of the Indian desert 127
Grav HJ, Borch-Iohnsen B, Dahl HA, Gabrielsen GW, Steen JB: Oxidative capacity of tissues contributing to thermogenesis in eider (*Somateria mollissima*) ducklings: changes associated with hatching 513
Gray DA, Erasmus T: Control of renal and extrarenal salt and water excretion by plasma angiotensin II in the kelp gull (*Larus dominicanus*) 651
Gray DA → Erbe K-H
Greive H → Surholt B
Grubb BR, Bentley PJ: Relationship to transmural electrical parameters to the luminal Na concentration in the colon of the fowl (*Gallus domesticus*) 19

Harris RR → Bayliss D
Harrison JM: Temperature effects on intra- and extracellular acid-base status in the American locust, *Schistocerca nitens* 763
Hazel JR → Livermore RC
Heldmaier G → Klaus S
Hildebrandt J-P, Zerbst-Boroffka I: Effect of salt and volume loading on the circulation in the leech, *Hirudo medicinalis* L. 553
Hill RB → Huddart H
Hōbe H, McMahon BR: Mechanisms of acid-base and ionoregulation in White Suckers (*Catostomus commersoni*) in natural soft water. II. Exposure to a fluctuating ambient pH regime 67
Hoffman RA, Johnson LB, Vaughan MK, Reiter RJ: Interaction of Harderian glands, illumination, and temperature on thyroid hormones in golden hamsters 697
Hommel C → Surholt B
Hopkins TL → Krueger RA
Huch R, D'Haese J, Gerday Ch: A soluble calcium-binding protein from the terrestrial annelid *Lumbricus terrestris* L. 325
Huddart H, Hill RB: Electromechanical uncoupling in a molluscan muscle examined by the sucrose gap technique. The effect of calcium antagonist and agonist agents 501
Huebers E → Huebers HA
Huebers HA, Huebers E, Finch CA, Webb BA, Truman JW, Riddiford LM, Martin

Contents

Addy JF → Pieper DR
Agapito MT → Sigüenza AF
Agnisola C, Cariello L, De Santis A, Miralto A, Tota B: Chronotropic and inotropic effects of atrial peptides on the isolated systemic heart of *Octopus vulgaris* 637
Alestrøm P → Rokkones E
Andrews EB, Taylor PM: Fine structure, mechanism of heart function and haemodynamics in the prosobranch gastropod mollusc *Littorina littorea* (L.) 247
Ar A → Visschedijk AHJ
Arieli R → Edoute Y
Arnold W: Social thermoregulation during hibernation in alpine marmots (*Marmota marmota*) 151
Aulie A, Tøien Ø: Threshold for shivering in aerobic and anaerobic muscles in bantam cocks and incubating hens 431
Autrum H: *In memoriam* B. Linzen 1983–1988 393

Ballam GO, Donaldson LA: Effect of venous (gut) CO_2 leading on intrapulmonary gas fractions and ventilation in the tegu lizard 591
Barja de Quiroga G, Gil P, López-Torres M: Physiological significance of catalase and glutathione peroxidases, and in vivo peroxidation, in selected tissues of the toad *Discoglossus pictus* (Amphibia) during acclimation to normobaric hyperoxia 583
Baudinette RV → Roberts JR
Bayliss D, Harris RR: Chloride ion regulation in the freshwater amphipod *Corophium curvispinum* and acclimatory effects of external Cl^- 81
Beis Is → Lazou A
Bentley PJ → Grubb BR
Bertsch A → Surholt B
Bidigare RR → Morrill AC
Bijlholt MMC → Stöcker W
Bintz GL: Lipid synthesis and deposition by adult Richardson's ground squirrels in the natural environment 199
Blundon JA: Effects of temperature and thermal history on neuromuscular properties of two crustacean species 689
Boardman TJ → Packard GC
Bohn H → Ferstl S
Bols NC → Mosser DD
Borch-Iohnsen B → Grav HJ
Braun EJ → Goldstein DL
Broce AB → Krueger RA
Bruggen EFJ van → Stöcker W
Burton RS → Goolish EM
Butler PJ → Metcalfe JD

Calgari C→ Malan A
Campbell TJ: Characteristics of cardiac action potentials in marsupials 759
Canguilhem B → Galluser M
Cariello L → Agnisola C
Chand P → Goyal SP
Charest RP, Chenoweth M, Dunn A: Metabolism and trimethylamines in kelp bass (*Paralabrax clathratus*) and marine and freshwater pink salmon (*Oncorhynchus gorbuscha*) 609
Chenoweth M → Charest RP
Cherel Y → Le Ninan F
Clemens DT: Ventilation and oxygen consumption in rosy finches and house finches at sea level and high altitude 57

Dahl HA → Grav HJ
De Santis A → Agnisola C
Dejours P, Truchot J-P: Respiration of the emersed shore crab at variable ambient oxygenation 387
D'Haese J → Huch R
Donaldson LA → Ballam GO
Duman JG → Kukal O
Dunn A → Charest RP
Dunson WA → Frisbie MP

Ebara A → Kuramoto T
Edoute Y, Arieli R, Nevo E: Evidence for improved myocardial oxygen delivery and function during hypoxia in the mole rat 575
Erasmus T → Gray DA
Erbe K-H, Gerstberger R, Gray DA, Simon E: Electrolyte handling and osmoregulatory hormones in ducks during Na^+-free or Cl^--free hypertonic salt gland stimulation 9

Feller P, Nachtigall W: Flight of the honey bee. II. Inner- and surface thorax temperatures and energetic criteria, correlated to flight parameters 719
Feller P → Nachtigall W
Ferstl S, Weber J, Bohn H: Conditions for the association of the two clotting proteins of the cockroach *Rhyparobia* (*Leucophaea*) *maderae* (Blattaria) 527
Finch CA → Huebers HA
Focke P → Paul R
Frisbie MP, Dunson WA: The effect of food consumption on sodium and water balance in the predaceous diving beetle, *Dytiscus verticalis* 91

Gabrielsen GW → Grav HJ
Galluser M, Raul F, Canguilhem B: Adaptation of intestinal enzymes to seasonal and dietary changes in a hibernator: the European hamster (*Cricetus cricetus*) 143
Gautvik KM → Rokkones E
Geiser F: Reduction of metabolism during hibernation and daily torpor in mammals and birds: temperature effect or physiological inhibition? 25
Gerday Ch → Huch R
Gerstberger R → Erbe K-H
Gerstberger R → Rettig R
Ghosh A → Mahata SK
Ghosh PK → Goyal SP
Gil P → Barja de Quiroga G
Girard H → Visschedijk AHJ
Goldstein DL, Braun EJ: Contributions of the kidneys and intestines to water conservation, and plasma levels of antidiuretic hormone, during dehydration in house sparrows (*Passer domesticus*) 353
Goolish EM, Burton RS: Exposure to fluctuating salinity enhances free amino acid accumulation in *Tigriopus californicus* (Copepoda) 99
Goyal SP, Ghosh PK, Sasidharan TO, Chand P: Body water relations in two species of gerbil (*Tatera indica indica* and *Meriones hurrianae*) of the Indian desert 127
Grav HJ, Borch-Iohnsen B, Dahl HA, Gabrielsen GW, Steen JB: Oxidative capacity of tissues contributing to thermogenesis in eider (*Somateria mollissima*) ducklings: changes associated with hatching 513
Gray DA, Erasmus T: Control of renal and extrarenal salt and water excretion by plasma angiotensin II in the kelp gull (*Larus dominicanus*) 651
Gray DA → Erbe K-H
Greive H → Surholt B
Grubb BR, Bentley PJ: Relationship to transmural electrical parameters to the luminal Na concentration in the colon of the fowl (*Gallus domesticus*) 19

Harris RR → Bayliss D
Harrison JM: Temperature effects on intra- and extracellular acid-base status in the American locust, *Schistocerca nitens* 763
Hazel JR → Livermore RC
Heldmaier G → Klaus S
Hildebrandt J-P, Zerbst-Boroffka I: Effect of salt and volume loading on the circulation in the leech, *Hirudo medicinalis* L. 553
Hill RB → Huddart H
Hōbe H, McMahon BR: Mechanisms of acid-base and ionoregulation in White Suckers (*Catostomus commersoni*) in natural soft water. II. Exposure to a fluctuating ambient pH regime 67
Hoffman RA, Johnson LB, Vaughan MK, Reiter RJ: Interaction of Harderian glands, illumination, and temperature on thyroid hormones in golden hamsters 697
Hommel C → Surholt B
Hopkins TL → Krueger RA
Huch R, D'Haese J, Gerday Ch: A soluble calcium-binding protein from the terrestrial annelid *Lumbricus terrestris* L. 325
Huddart H, Hill RB: Electromechanical uncoupling in a molluscan muscle examined by the sucrose gap technique. The effect of calcium antagonist and agonist agents 501
Huebers E → Huebers HA
Huebers HA, Huebers E, Finch CA, Webb BA, Truman JW, Riddiford LM, Martin

AW, Massover WH: Iron binding proteins and their roles in the tobacco hornworm, *Manduca sexta* (L.) 291
Humbert W → Simonneaux V
Hume ID → White RG

Indrasith LS, Sasaki T, Yaginuma T, Yamashita O: The occurrence of a premature form of egg-specific protein in vitellogenic follicles of *Bombyx mori* 1
Intaglietta M → Rettig R

Jensen RA, Morse DE: The bioadhesive of *Phragmatopoma californica* tubes: a silk-like cement containing L-DOPA 317
Johnson LB → Hoffman RA
Jungmann R, Rothe U, Nachtigall W: Flight of the honey bee. I. Thorax surface temperature and thermoregulation during tethered flight 711
Jungmann R → Nachtigall W
Jürgens KD, Pietschmann M, Yamaguchi K, Kleinschmidt T: Oxygen binding properties, capillary densities and heart weights in high altitude camelids 469

Kaul R, Shoemaker VH: Control of thermoregulatory evaporation in the waterproof treefrog *Chiromantis xerampelina* 643
Kent J, Koban M, Prosser CL: Cold-acclimation-induced protein hypertrophy in channel catfish and green sunfish 185
Kiessling K-H → Lundgren BO
Kirsch R → Simonneaux V
Klaus S, Heldmaier G, Ricquier D: Seasonal acclimation of bank voles and wood mice: nonshivering thermogenesis and thermogenic properties of brown adipose tissue mitochondria 157
Kleinschmidt T → Jürgens KD
Koban M → Kent J
Kobayashi H → Takei Y
Kobelt F → Schmuck R
Kramer KJ → Krueger RA
Krueger RA, Broce AB, Hopkins TL, Kramer KJ: Calcium transport from Malpighian tubules to puparial cuticle of *Musca autumnalis* 413
Kukal O, Duman JG, Serianni AS: Cold-induced mitochondrial degradation and cryoprotectant synthesis in freeze-tolerant arctic caterpillars 661
Kukal O, Serianni AS, Duman JG: Glycerol metabolism in a freeze-tolerant arctic insect: an in vivo ^{13}C NMR study 175
Kuramoto T, Ebara A: Combined effects of 5-hydroxytryptamine and filling pressure on the isolated heart of the lobster, *Panulirus japonicus* 403

Lazou A, Michaelidis B, Beis Is.: Evidence for glycolytic enzyme binding during anaerobiosis of the foot muscle of *Patella caerulea* (L.) 771
Le Gall JY → Raffin JP
Le Maho Y → Le Ninan F
Le Ninan F, Cherel Y, Robin J-P, Leloup J, Le Maho Y: Early changes in plasma hormones and metabolites during fasting in king penguin chicks 395
Leloup J → Le Ninan F
Linsenmair KE → Schmuck R
Linzen B → Paul R
Livermore RC, Hazel JR: Properties of microsomal acyl-CoA: lysophosphatidylcholine acyltransferase from liver of thermally-acclimated rainbow tout, *Salmo gairdneri* 363
López-Torres M → Barja de Quiroga G
Lundgren BO, Kiessling K-H: Comparative aspects of fibre types, areas, and capillary supply in the pectoralis muscle of some passerine birds with differing migratory behaviour 165

Mahata SK, Mandal A, Ghosh A: Influence of age and splanchnic nerve on the action of melatonin in the adrenomedullary catecholamine content and blood glucose level in the avian group 601
Malan A, Mioskowski E: pH-temperature interactions on protein function and hibernation: GDP binding to brown adipose tissue mitochondria 487
Malan A, Mioskowski E, Calgari C: Time-course of blood acid-base state during arousal from hibernation in the European hamster 495
Mandal A → Mahata SK
Mangum CP → Miller KI
Markl J → Stöcker W
Martin AW → Huebers HA
Massover WH → Huebers HA
McMahon BR → Hõbe H
Metcalfe JD, Butler PJ: The effects of alpha- and beta-adrenergic receptor blockade on gas exchange in the dogfish (*Scyliorhinus canicula* L.) during normoxia and hypoxia 39
Meyer J-U → Rettig R
Michaelidis B → Lazou A
Miller KI, Mangum CP: An investigation of the nature of Bohr, Root, and Haldane effects in *Octopus dofleini* hemocyanin 547
Miller K → Packard GC
Mioskowski E → Malan A
Miralto A → Agnisola C
Morgan EH → Sorokin LM
Morrill AC, Powell EN, Bidigare RR, Shick JM: Adaptations to life in the sulfide system: a comparison of oxygen detoxifying enzymes in thiobiotic and oxybiotic meiofauna (and freshwater planarians) 335
Morse DE → Jensen RA
Mosser DD, Bols NC: Relationship between heat-shock protein synthesis and thermotolerance in rainbow trout fibroblasts 457

Nachtigall W, Rothe U, Feller P, Jungmann R: Flight of the honey bee. III. Flight metabolic power calculated from gas analysis, thermoregulation and fuel consumption 729
Nachtigall W → Feller P
Nachtigall W → Jungmann R
Nachtigall W → Rothe U
Nevo E → Edoute Y
Nilsson GE: A comparative study of aldehyde dehydrogenase and alcohol dehydrogenase activities in crucian carp and three other vertebrates: apparent adaptations to ethanol production 479
Nolan JV → White RG

Okawara Y → Takei Y

Packard GC, Packard MJ, Miller K, Boardman TJ: Effects of temperature and moisture during incubation on carcass composition of hatchling snapping turtles (*Chelydra serpentina*) 117
Packard MJ → Packard GC
Paul R, Tiling K, Focke P, Linzen B: Heart and circulatory functions in a spider (*Eurypelma californicum*): the effects of hydraulic force generation 673
Perry II SF → Wright PA
Perry SF → Vermette MG
Pieper DR, Reiter RJ, Unthank PD, Addy JF: Evidence that olfactory bulbectomy does not influence testicular regression in golden hamsters on short photoperiod by altering pineal melatonin production 301
Pietschmann M → Jürgens KD
Powell EN → Morrill AC
Preston RR, Usherwood PNR: Characterization of a specific L-[^3H]glutamic acid binding site on cilia isolated from *Paramecium tetraurelia* 345
Prestwich KN: The constraints on maximal activity in spiders. I. Evidence against the fluid insufficiency hypothesis 437
Prestwich KN: The constraints on maximal activity in spiders. II. Limitations imposed by phosphagen depletion and anaerobic metabolism 449
Printz MP → Rettig R
Prosser CL → Kent J

Raeder U → Stöcker W
Raffin JP, Thébault MT, Le Gall JY: Changes in phosphometabolites and intracellular pH in the tail muscle of the prawn *Palaemon serratus* as shown by in vivo ^{31}P-NMR 223
Randall DJ → Wright PA
Raul F → Galluser M
Recio JM → Sigüenza AF
Redecker B, Zebe E: Anaerobic metabolism in aquatic insect larvae: studies on *Chironomus thummi* and *Culex pipiens* 307
Reiter RJ → Hoffman RA
Reiter RJ → Pieper DR
Rettig R, Gerstberger R, Meyer J-U, Intaglietta M, Printz MP: Central effects of angiotensin II in conscious hamsters: drinking, pressor response, and release of vasopressin 703
Ricquier D → Klaus S
Riddiford LM → Huebers HA
Roberts JR, Baudinette RV: Responses to

heat stress in two species of Australian quail, *Coturnix pectoralis* and *Coturnix chinensis* 205
Robin J-P → Le Ninan F
Rokkones E, Alestrøm P, Skjervold H, Gautvik KM: Microinjection and expression of a mouse metallothionein human growth hormone fusion gene in fertilized salmonid eggs 751
Rothe U, Nachtigall W: Flight of the honey bee. IV. Respiratory quotients and metabolic rates during sitting, walking and flying 739
Rothe U → Jungmann R
Rothe U → Nachtigall W

Sanchez M → Sigüenza AF
Sasaki T → Indrasith LS
Sasidharan TO → Goyal SP
Schmaranzer S, Stabentheiner A: Variability of the thermal behavior of honeybees on a feeding place 135
Schmuck R, Kobelt F, Linsenmair KE: Adaptations of the reed frog *Hyperolius viridiflavus* (Amphibia, Anura, Hyperoliidae) to its arid environment. V. Iridophores and nitrogen metabolism 537
Serianni AS → Kukal O
Seymour RS, Visschedijk AHJ: Effects of variation in total and regional shell conductance on air cell gas tensions and regional gas exchange in chicken eggs 229
Shick JM → Morrill AC
Shoemaker VH → Kaul R
Sigüenza AF, Recio JM, Sanchez M, Agapito MT: Endogenous regulation of the pineal melatonin secretion in *Gallus domesticus* 381
Simon E → Erbe K-H
Simonneaux V, Humbert W, Kirsch R: Structure and osmoregulatory functions of the intestinal folds in the seawater eel, *Anguilla anguilla* 45
Skjervold H → Rokkones E
Sorokin LM, Morgan EH: Species specificity of transferrin binding, endocytosis and iron internalization by cultured chick myogenic cells 559
Stabentheiner A → Schmaranzer S
Steen JB → Grav HJ
Stöcker W, Raeder U, Bijlholt MMC, Wichertjes T, Bruggen EFJ van, Markl J: The quaternary structure of four crustacean two-hexameric hemocyanins: immunocorrelation, stoichiometry, reassembly and topology of individual subunits 271
Surholt B, Greive H, Hommel C, Bertsch A: Fuel uptake, storage and use in male bumble bees *Bombus terrestris* L. 263

Takei Y, Okawara Y, Kobayashi H: Water intake induced by water deprivation in the quail, *Coturnix coturnix japonica* 519
Taylor PM → Andrews EB
Thébault MT → Raffin JP
Tiling K → Paul R
Tøien Ø → Aulie A
Tota B → Agnisola C
Truchot J-P → Dejours P
Truman JW → Huebers HA

Unthank PD → Pieper DR
Usherwood PNR → Preston RR

Vaughan MK → Hoffman RA
Vermette MG, Perry SF: Adrenergic involvement in blood oxygen transport and acid-base balance during hypercapnic acidosis in the Rainbow Trout, *Salmo gairdneri* 107
Visschedijk AHJ, Girard H, Ar A: Gas diffusion in the shell membranes of the hen's egg: lateral diffusion in situ 567
Visschedijk AHJ → Seymour RS

Wales NAM: Hormone studies in *Myxine glutinosa*: effects of the eicosanoids arachidonic acid, prostaglandin E_1, E_2, A_2, $F_{2\alpha}$, thromboxane B_2 and of indomethacin on plasma cortisol, blood pressure, urine flow and electrolyte balance 621
Walsberg GE: Consequences of skin color and fur properties for solar heat gain and ultraviolet irradiance in two mammals 213
Webb BA → Huebers HA
Weber J → Ferstl S
Weyrauther E: The influence of temperature and oxygen on the photomechanical system of the mealmoth eye 421
White RG, Hume ID, Nolan JV: Energy expenditure and protein turnover in three species of wallabies (Marsupialia Macropodidae) 237
Wichertjes T → Stöcker W
Wright PA, Randall DJ, Perry SF: Fish gill water boundary later: a site of linkage between carbon dioxide and ammonia excretion 627

Yaginuma T → Indrasith LS
Yamaguchi K → Jürgens KD
Yamashita O → Indrasith LS
Yancey PH: Osmotic effectors in kidneys of xeric and mesic rodents: corticomedullary distributions and changes with water availability 369

Zebe E → Redecker B
Zerbst-Boroffka I → Hildebrandt J-P

Indexed in *Current Contents*